

ABSTRACT

Title: Knee System C-Leg and its application to transfemoral amputation

Objectives: Aim of this work is characteristic of knee system C-Leg prosthetic leg construction with knee system C-Leg applied in patients with transfemoral amputations, the possible setting, used in combination with a common type of Socket and compare the affect of the image of the patient's gait. Another target is a description of possible mistakes in the setting of the C-Leg and their manifestations in the initial use and walking

Methods: In this work I used the method of analysis previously identified and published knowledge and experience with the knee of C-Leg, its buildings, the settings recommended by the manufacturer and walk to school transfemoral amputation. Compiling the various types of Socket used to walking training, the published results of therapy in patients amputated and its own experience, I worked under subsequent acts, which occurred during therapy.

Results: In keeping with the recommended structure for the transfemoral prosthesis and knee system with the C-Leg and then comparing the different types of Socket and results of therapy in the rehabilitation wards, I described the side effects are possible in the image the patient's gait. The presented findings describe the possible recommendations for the basic setup and training walking with the knee of C-Leg system.

Keywords: Transfemoral amputation, Socket, construction of prostheses, L.A.S.A.R. Posture, C-Soft.